Open Researcher Position: Industrial Wireless Sensor Networks (UWB)

The Institute of Networked and Embedded Systems at the University of Klagenfurt has a track-record of experimental research on wireless sensor networks for industrial applications with a strong emphasis on the use of ultrawideband (UWB) technology. Various projects are conducted in collaboration with industrial and research partners.

To strengthen our team further, we are searching for a researcher (PhD student or junior PostDoc) who will perform the following tasks:

- Hands-on research in wireless, networked sensor systems for industrial applications: communications protocols, ultra-wideband (UWB) communications, and experimental performance analysis
- Dedicated participation in a third party funded research project in cooperation with two companies and three research organizations
- Independent research with the aim to submit a journal papers
- Student mentoring

The expected starting date is as soon as possible. The University of Klagenfurt is a young and vibrant campus university hosting 10,000 students. It is located in the southern part of Austria, a region with outstanding quality of life at the intersection of Alpine and Mediterranean culture. Offices and laboratories are located in the well-equipped Lakeside Science & Technology Park. Our team is very international with English being the working language.

Requirements:

- University degree (Master or Dipl.-Ing.) in electrical engineering, computer engineering, communications engineering, or technical informatics graded with “good” or better.
- Fluent in written and spoken English
- Profound programming skills in C/C++

We expect:

- Social and communicative competences
- First relevant scientific publications (beyond the master thesis)
- Relevant international experience
- Knowledge in UWB technology
The contract will be based on a minimum annual gross salary of 39.702 Euros (40 hours weekly) or 29.776 Euros (30 hours weekly) according to Uni-KV: B1. It might be increased depending on previous experience. The contract is initially for 1.5 years and intended to be commenced as soon as possible.

The university strives at raising the number of female scientific staff members and therefore specifically invites women to apply. In case of equal qualifications, women will receive priority consideration.

Applications must be submitted electronically as a single PDF file to Ms. Kornelia Lienbacher (kornelia.lienbacher@aau.at) using the code [Application] in the subject line. Applications must be written in English and include a letter of motivation, the curriculum vitae (with photo and information about the degrees including date/place/grade, the experience acquired, the thesis title, the list of publications if any), scan of the degree certificates and transcripts of the courses, and any certificate that can prove the fulfillment of the required qualifications.

General information for applicants is available on www.aau.at/jobs/information. Additional information on the Institute of Networked and Embedded Systems is available on https://nes.aau.at or by contacting Professor Christian Bettstetter, +43 463 2700 3640. Short-listed candidates will be invited to an interview. Travel and accommodation costs incurred during the application procedure cannot be reimbursed.

Open Researcher Position: 5G and Drones

The Faculty of Technical Sciences at the University of Klagenfurt has over 10 years of experience in performing research with small drones, with a strong emphasis on wireless communication, distributed coordination, autonomous navigation, path planning, and system aspects (see Dronehub K). The university recently established the Karl Popper doctoral school on networked autonomous aerial vehicles with the Jet Propulsion Laboratory (JPL) and T-Mobile being external collaboration partners.

To strengthen our team further, we are searching for a researcher (PhD student or junior PostDoc) who will perform the following tasks:

- Experimental, hands-on research in wireless communications over LTE-A and 5G for aerial robots
- Dedicated participation in a third party funded research project
- Independent research with the aim to submit a dissertation
- Student mentoring

The expected starting date is as soon as possible. The University of Klagenfurt is a young and vibrant campus university hosting 10,000 students. It is located in the southern part of Austria, a region with outstanding quality of life at the intersection of Alpine and Mediterranean culture. Offices and laboratories are located in the well-equipped Lakeside Science & Technology Park. Our team is very international with English being the working language.
Requirements:

- University degree (Master or Dipl.-Ing.) in electrical engineering, computer engineering, communications engineering, or technical informatics graded with “good” or better.
- Fluent in written and spoken English
- Profound programming skills

We expect:

- Social and communicative competences
- First relevant scientific publications (beyond the master thesis)
- Relevant international experience

The contract will be based on a minimum annual gross salary of 39,702 Euros (40 hours weekly) or 29,776 Euros (30 hours weekly) according to Uni-KV: B1. It might be increased depending on previous experience. The contract is initially for 1.5 years and intended to be commenced as soon as possible.

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General information for applicants is available on www.aau.at/jobs/information. Information about research on networked autonomous aerial systems in Klagenfurt is available on http://uav.aau.at. Further information about the related doctoral school is provided on www.aau.at/en/research/research-profile/karl/popper-kolleg. Additional information on the Institute of Networked and Embedded Systems is available on https://nes.aau.at by contacting Professor Christian Bettstetter, +43 463 2700 3640. Short-listed candidates will be invited to an interview. Travel and accommodation costs incurred during the application procedure cannot be reimbursed.